# Mountain Weather Forecast

## Yorkshire Dales National Park

Forecast valid from 00:00 on Saturday 15 Jul 2023 until 23:59 on Sunday 16 Jul 2023

Forecast Issued on Friday 14 Jul 2023 at 17:37

**Confidence:** High for a continuation of the unsettled theme including unseasonably wet and windy conditions Friday and for blustery showers and thunderstorms, at times, especially through the weekend. Low confidence in the details surrounding a weather system arriving on Tuesday and its clearance.

**Headline for Saturday 15 Jul 2023:** Frequent heavy showers and thunderstorms with hail. Strong and gusty winds.

**Mountain weather hazards on Saturday 15 Jul 2023**

**Blizzards**
No Likelihood

**Gales**
Low Likelihood

**Thunderstorms**
Medium Likelihood

**Heavy persistent snow**
No Likelihood

**Severe chill effect**
No Likelihood

**Heavy persistent rain**
High Likelihood

**Storm force winds**
No Likelihood

**Poor visibility**
Medium Likelihood

**Strong sunlight**
Low Likelihood

**Weather and chance of precipitation at 600m**

| Time | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
|---|---|---|---|---|---|---|---|---|
| | Cloudy | Heavy rain showers (night) | Heavy rain showers | Thundery showers | Thundery showers | Heavy rain showers | Heavy Rain | Heavy Rain |
| Precipitation probability | 10% | 30% | 40% | 60% | 80% | 70% | 80% | 60% |

**Forecast for Saturday 15 Jul 2023**

**Weather:** Showers arriving from the west during the early hours. Showers developing widely by mid-morning; these sharp and blustery showers are likely to turn heavy and thundery and may merge to give longer spells of rain at times, particularly later in the day. Some brighter spells in the east initially, but a cloudier afternoon and evening. Strong south to southwesterly winds with a gale risk across higher peaks.

**Chance of cloud-free hill tops above 600m:** 80% but lowering to 40% in the west for a time in the morning and again late on. 60% elsewhere in association with heavy showers.

**Low Cloud and visibility:** Scattered cloud amounts, soon becoming broken in the west as showers arrive and develop. Bases lowering to around 500-600m, but 400m in the west, shrouding higher slopes for periods of around an hour at a time. Where showers merge, higher routes, ridges and summits may be obscured for several hours. Visibility good, but with frequent deterioration to moderate or poor in heavy showers and rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

# Mountain Weather Forecast

**Forecast for Saturday 15 Jul 2023**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 21/30 SW | 21/30 S | 23/31 S | 24/34 S | 25/34 S | 22/31 S | 24/33 S | 20/28 SW | 20/29 W |
| **300** | 13/28 SW | 12/26 S | 14/27 S | 17/31 S | 16/31 S | 14/28 S | 15/31 S | 13/26 SW | 11/25 W |
| **Valley** | 11/25 S | 11/26 S | 13/28 S | 15/29 S | 15/31 S | 10/24 S | 13/28 S | 11/24 SW | 9/23 W |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 11/8 | 10/6 | 10/7 | 11/7 | 12/8 | 11/8 | 11/7 | 11/7 | 10/7 |
| **300** | 13/11 | 12/10 | 13/10 | 14/11 | 15/12 | 14/12 | 13/11 | 13/10 | 12/10 |
| **Valley** | 15/13 | 14/12 | 14/12 | 16/14 | 16/13 | 15/13 | 14/12 | 14/12 | 13/12 |
| **Freezing Level*** | 2500m | 2300m | 2200m | 2100m | 2100m | 2300m | 2400m | 2400m | 2300m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Unseasonably wet and windy conditions continue with strong winds and widespread thunderstorms. Watercourses may become swollen, with surfaces wet or slippery. Activities best confined to lower slopes.

**Recent rainfall:** measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 14:00 on Fri 14 Jul 2023 | 0.2mm | 3mm | 10.8mm |

**Forecast for Sunday 16 Jul 2023**

**Weather:** Rain may turn more drizzly overnight across western slopes, with a few showers persisting into the early hours elsewhere in the park. A bright and breezy start to the day in the eastern Dales. Scattered heavy showers breaking out by mid-morning, becoming more frequent by the afternoon. Some thundery downpours with hail possible. Bright spells developing more widely by the afternoon. Showers largely fading through the evening, with clear spells overnight.

**Maximum wind:** West or southwest 20-30 gusting 30-40mph, easing 15-20mph by late evening.

**Chance of cloud-free hill tops above 600m:** 40% in the west and northwest initially, gradually increasing to 70%. 70% elsewhere. Above 90% later everywhere.

**Low Cloud and visibility:** Low cloud with bases of 300-500m may affect western and northwestern ranges in the morning, lifting clear of summits by the afternoon. Cloud bases otherwise expected to remain above summits, lowering to around 600m in heavy or prolonged showers. Visibility poor in early drizzle and in heaviest showers, good otherwise.

**Temperature:** **Valleys:** 12 Celsius increasing 17 Celsius
**At 600m:** 9 Celsius increasing 11 Celsius,
**Freezing level:** Well above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.